

73049-254

08/07/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460-0001



OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

8-7-13

Jean Killorean
Valent BioSciences Corporation
870 Technology Way
Libertyville, IL 60048

Subject: Amended Reregistration Label
Product Name: Pyrenone General Purpose Aqueous Insecticide
EPA Registration Number: 73049-254
EPA Decision Number: 411518, 410034

Dear Ms. Killorean:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the above referenced product in connection with the pyrethrins and PBO REDs, and has concluded that your submission is acceptable.

NOTE: This product is **not** being reregistered under sections 3(c)5 and 4(g) of FIFRA at this time.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers. The code may appear either on the label or durably marked on the container itself, and can be added by non-notification per PRN 98-10.

Please note that the record for this product currently contains the Confidential Statement of Formulation (CSF) listed below. Any CSFs other than those listed below are superseded.

- Basic CSF dated >> 04/10/12
- Alternate CSF #1 dated >> 04/10/12
- Alternate CSF #2 dated >> 04/10/12
- Alternate CSF #3 dated >> 04/10/12

A copy of your label is enclosed along with copies of the acute toxicity and product chemistry reviews completed for the subject product. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes

acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

If you have any questions about this letter, please contact Gene Benbow at 703-347-0235 or benbow.gene@epa.gov.

Sincerely,



Richard J. Gebken
Product Manager (10)
Insecticide Branch
Registration Division (7504P)

*Enclosures: Acute Toxicity Review, dated 04/02/12
Product Chemistry Review, dated 10/25/10
Stamped Accepted Label, dated*

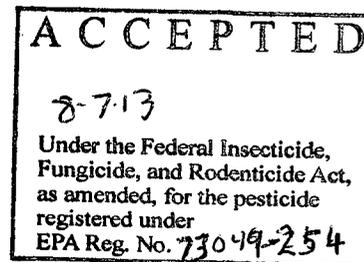
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PYRENONE®

GENERAL PURPOSE AQUEOUS INSECTICIDE

- *[A Concentrated Pyrenone® Micro Emulsion*
- *Clear - Stable - Leaves No Oily Or Objectionable Residues*
- *Effective, Fast Acting Insecticide*
- *Kills And Repels Biting Flies*
- *For Use In Homes, Institutions, Restaurants, Food Processing Plants, Dairies, Livestock And Outdoors For Mosquito Control For Control Of Fleas And Brown Dog Ticks On Premises And On Pets*
- *Apply With Conventional Mechanical Or Compressed Air Equipment*
- *Multi-Purpose*
- *Multi-Bug Killer*
- *Kills Crawling & Flying Insects On Contact*
- *Contains Pyrethrin [Insecticide] Derived From Flowers*
- *Water Based*
- *Plant Spray Bug Killer*
- *House & Garden Insect Killer*
- *Flying & Crawling Insect Killer]*

ACTIVE INGREDIENTS	
Pyrethrins0.10%
Piperonyl Butoxide*1.00%
OTHER INGREDIENTS98.90%
	100.00%



*(butyl carbityl) (6-propylpiperonyl) ether and related compounds.

PRECAUCION AL CONSUMIDOR: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.
(TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

EPA REG. NO. 73049-254

EPA EST. NO.

KEEP OUT OF REACH OF CHILDREN
CAUTION
See Side/Back Panel For Additional Precautions

FIRST AID	
If In Eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-315-9819 for emergency medical treatment information.	

NET CONTENTS:
LOT NUMBER:

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**READ ENTIRE LABEL BEFORE EACH USE
PET USE APPLIES TO USE ONLY ON DOGS AND CATS****PRECAUTIONARY STATEMENTS
Hazards To Humans & Domestic Animals****CAUTION**

Causes moderate eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco or using the toilet.

[Products used exclusively indoors may omit the Environmental Hazards Statement.]

[Environmental Hazards

This product is toxic to aquatic organisms, including fish and invertebrates. Do not apply directly to or near water. Drift and run-off may be hazardous to fish in water adjacent to treated areas. Do not contaminate water when disposing of equipment, washwater, or rinsate. See Directions for Use for additional precautions and requirements

This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.]

Physical and Chemical Hazards

Do not use this product on or around electrical equipment due to the possibility of shock hazard.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Use Restrictions

- [Except when applying to [pets] [or to livestock],] do not allow adults, children, or pets to enter until vapors, mists and aerosols have dispersed, and the treated area has been thoroughly ventilated.
- [Except when applying to [pets] [or to livestock],] do not allow adults, children, or pets to enter the treated area until sprays have dried.
- [Except when applying to [pets] [or to livestock],] do not apply this product in a way that will contact adults, children or pets, either directly or through drift.
- Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mist have dispersed.
- Remove or cover exposed food and drinking water before application.
- Remove or cover dishes, utensils, food processing equipment and food preparation surfaces and wash them before use.
- Remove pets, birds and cover any water inhabited by fish (such as aquariums and ornamental fish ponds) before space spray application. [Turn off aquarium filtering systems before spraying and wait approximately 15 minutes after application before turning the filter back on.]
- Do not wet plants to point of runoff or drip.
- Do not apply directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.
- Do not use on surfaces that can be harmed or stained by water.
- Do not wet articles to point of runoff or drip. Do not treated article until spray has dried.
- Dry clean clothes before wearing.
- *[Alternate text – outdoor application:*
 - All outdoor applications must be limited to spot or crack-and-crevice treatments only except for the following permitted uses:
 - 1) Treatment to soil or vegetation around structures
 - 2) Applications to lawns, turf, and other vegetation
 - 3) Application to building foundations, up to a maximum height of 3-feet.
 - Other than application to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors and eaves) are limited to spot and crack-and-crevice applications, only.
 - Do not water the treated area to the point of run-off.
 - Do not make applications during rain.]
- *[Alternate text - For pet care:* Do not apply to pets less than 12 weeks old. Consult a veterinarian before apply this product on medicated, debilitated, aged, pregnant or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.

- [Alternate text: When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.]

SHAKE WELL BEFORE USE

INDOOR APPLICATION:

For maximum effectiveness, a combination of spot, surface treatment and fogging is recommended.

CONTACT SPRAY: To kill ants (including carpenter, fire, harvester & pharaoh ants), centipedes, cockroaches (including American, German & Oriental cockroaches), fleas, spiders (including brown recluse, black widow & hobo spiders), ticks, (including deer, brown dog and American dog ticks), chiggers, black flies, deer flies, horse flies, house flies, mosquitoes, gnats, biting midges, wasps and yellow jackets: Spray where insects congregate and individual pests when seen. Spray [1-2 pumps of trigger] [1-3 grams] contacting insects directly. Insects contacted by spray will be killed.

SURFACE SPRAYING: To kill *Cockroaches, Palmetto Bugs, Ants, Silverfish, Spiders, Crickets, Clovermites, Cheese Mites, Earwigs, Sowbugs, Box Elder Bugs, Centipedes, Granary Weevils, Rice Weevils, Confused Flour Beetles, Rust Red Flour Beetles, Saw-Toothed Grain Beetles, Spider Beetles, Cigarette Beetles, Drugstore Beetles, Meal Worms, Grain Mites and Cadelles*: Use a good sprayer adjusted to a coarse wet spray. Direct the spray into hiding places, cracks and crevices, under pallets, around containers of stored foods, around the base of machinery, behind shelves and drawers, behind and beneath sinks, stoves, refrigerators and cabinets, along baseboards, around door and window frames, into dark corners and in and around garbage compactors, garbage chutes and cans. For *Silverfish*, spray bookcases.

For *Ants*, spray trails, nests and points of entry. If surface application only is to be used, spray floors and other surfaces applying at a rate of 1 gallon to 750 square feet of surface.

In case of infested foods in cabinets, dispose of the infested material. Remove all contents and clean thoroughly. Spray interior surfaces of empty cabinets thoroughly. After spray has dried, cover shelves with paper or otherwise protect foods from direct contact with sprayed surfaces.

TO KILL *Carpet Beetles*: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving. To avoid the possibility of staining, test in an inconspicuous area and allow to dry prior to treatment.

TO KILL *Bedbugs*: Remove linens prior to treatment. Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floors. Place clean linens on bed after allowing mattress to dry.

PET AREAS: To kill *Fleas* and *Brown Dog Ticks* on premises: Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames, and entire areas of floor and floor covering. Place fresh bedding in animal quarters following treatment. Concurrent treatment of animals is recommended.

TO KILL *Clothes Moths*: Remove any infested articles from storage, brush thoroughly and air for several hours in sunlight, if possible. Apply spray liberally to empty chests, closets, bureaus and other storages directing the spray into cracks, joints and crevices. After airing, infested articles may be treated lightly keeping nozzle at least three feet from fabric to avoid staining. Test delicate fabrics in an inconspicuous area prior to treatment.

SPACE SPRAYING: Close doors, windows and transoms and shut off ventilating systems. Apply with a good machine adjusted to deliver a fine mist or fog. For rapid kill of *Houseflies, Fruit Flies, Gnats, Mosquitoes, Skipper Flies, Wasps, Hornets, Angoumois Grain Moths, Mediterranean Flour Moths, Indianmeal Moths* and *Tobacco Moths*, direct spray at an upward angle distributing it uniformly throughout the entire area at a rate of 3-6 ounces per 1000 cubic feet of space. If insects have not dropped to floor in 3 minutes, repeat spraying as quantity sprayed was insufficient. To aid in the prevention of breeding, spray on standing water and in garbage pails.

FOGGING: To kill exposed or accessible stages of the above named crawling insects, use a rate of 1 gallon to 20,000 to 40,000 cubic feet of space. Contact insects directly whenever possible.

ON LIVESTOCK: To protect cattle, horses and hogs from *Horn Flies, Houseflies, Mosquitoes* and *Gnats* apply a light mist sufficient to wet the surface of the hair.

TO KILL *Stable Flies, Horse Flies* and *Deer Flies*, apply at a rate of 2 ounces per adult animal sufficient to wet the hair

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thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

TO KILL **Blood-Sucking Lice**, apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 2 to 3 weeks if required.

TO KILL **Poultry Lice**, spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

TO KILL **Bedbugs** and **Mites** in poultry houses, spray crevices of roost poles, cracks in walls, and cracks in nests where the bedbugs and mites hide.

FOR DIRECT APPLICATION TO DOGS AND CATS (OVER 12 WEEKS OF AGE):

TO KILL Fleas, Ticks, and Lice:

Hold the container upright. Spray at a distance of 8-12 inches. Starting at the tail, spray over entire hair coat while moving the dispenser rapidly; making sure the coat is thoroughly wetted to the skin. While spraying, fluff the hair so the spray will penetrate to the skin. Make sure spray wets ticks thoroughly. Spray against the lay of the hair, roughing the hair on long-haired dogs. Do not spray into the eyes, face or genitalia. For best results in killing ticks, spray directly on the tick. Allow animal to air dry or blow dry. Do not towel dry. Repeat application every week, if necessary.

OUTDOORS: (Camping, fishing, hunting and other outdoor activity areas) - Spray outer clothing and surroundings. Repels **Biting Flies, Mosquitoes, Midges** and **Gnats**. If sprayed every hour or so, will aid in keeping surroundings free from **Mosquitoes**. If in rare cases skin irritation results, avoid continued contact. Do not pour or squirt - use a good sprayer which will throw a heavy fine mist.

TO KILL-

CRAWLING INSECTS: **Cockroaches, Silverfish, Sowbugs, Ants, Crickets, Earwigs, Grain Mites, Clovermites, Spiders, Box Elder Bugs, Centipedes.** Turn sprayer nozzle to stream position and spray directly into cracks, crevices and other hiding places along baseboards, hitting as many bugs as possible. Keep about three feet away from walls, fabrics and furniture.

FLYING INSECTS: **Flies, Houseflies, Mosquitoes, Gnats, Mediterranean Flour Moths, Small Flying Moths.** Turn sprayer nozzle to spray position. Keep about three feet away from walls, fabrics and furniture.

Wasps & Hornets: Turn sprayer nozzle to stream position. Spray directly on insects whenever possible. Apply a wet spray after dark when all insects have returned to their nests.

CONTACT SPRAY: To kill ants (including carpenter, fire, harvester & pharaoh ants), centipedes, cockroaches (including American, German & Oriental cockroaches), fleas, spiders (including brown recluse, black widow & hobo spiders), ticks, (including deer, brown dog and American dog ticks), chiggers, black flies, deer flies, horse flies, house flies, mosquitoes, gnats, biting midges, wasps and yellow jackets: Spray where insects congregate and individual pests when seen. Spray 1-2 pumps of trigger contacting insects directly. Insects contacted by spray will be killed.

GARDEN INSECTS ON HOUSE PLANTS AND ORNAMENTAL PLANTS OUTDOORS: Turn sprayer nozzle to spray position. Direct spray so that upper and lower leaf surfaces are contacted. To control **Aphids, Bagworms, Thrips, Flea Beetles, Japanese Beetles, Lace Bugs, Leaf Hoppers, Leafhoppers, Leafhoppers, Mimosa Webworm Larvae, Plant Bugs** and **Whiteflies** use fine mist spray about 18 to 24 inches from infested plants. Use caution on new growth and tender foliage. Avoid spraying plants when temperature exceeds 85°F. Spray when air is still. Avoid heavy wetting.

FOR DIRECT APPLICATION TO DOGS AND CATS (OVER 12 WEEKS OF AGE):

TO KILL Fleas, Ticks, and Lice:

Hold the container upright. Spray at a distance of 8-12 inches. Starting at the tail, spray over entire hair coat while moving the dispenser rapidly; making sure the coat is thoroughly wetted to the skin. While spraying, fluff the hair so the spray will penetrate to the skin. Make sure spray wets ticks thoroughly. Spray against the lay of the hair, roughing the hair on long-haired dogs. Do not spray into the eyes, face or genitalia. For best results in killing ticks, spray directly on the tick. Allow animal to air dry or blow dry. Do not towel dry. Repeat application every week, if necessary.

PET AREAS: To kill **Fleas** and **Brown Dog Ticks** on premises: Turn sprayer nozzle to spray position. Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames, and entire areas of floor and floor covering. Place fresh bedding in animal quarters following treatment. Concurrent treatment of animals is recommended.

STORAGE AND DISPOSAL

CONTAINERS LARGER THAN ONE GALLON:

Do not contaminate water, food or feed by storage or disposal.

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Pesticide Storage and Spill Procedures: Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste. Protect from freezing.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Non-refillable container. Do not reuse or refill this container. Offer for recycling if available.

CONTAINERS ONE GALLON OR LESS:

Pesticide Storage: Store in original container in a cool dry place inaccessible to children and pets. Protect from freezing.

Container Disposal: Non-refillable container. Do not reuse or refill this container. *If empty:* Do not reuse this container. Place in trash or offer for recycling if available. *If partly filled:* Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully.

However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Valent BioSciences Corporation. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, VALENT BIOSCIENCES CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Valent BioSciences Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Valent BioSciences Corporation disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT VALENT BIOSCIENCES CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

[Or alternate text

Note [Notice]: Seller warrants that this product complies with the specifications expressed in this label. To the extent consistent with applicable law, seller makes no other warranties, and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for the intended purpose. To the extent consistent with applicable law, seller's liability or default, breach or failure under this label shall be limited to the amount of the purchase price. To the extent consistent with applicable law, seller shall have no liability for consequential damages.]

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Pyrenone is a registered trademark of Bayer AG.

Valent BioSciences Corporation
Environmental Science Division
870 Technology Way
Libertyville, IL 60048

Alternate Front Panel Plugs For Consumer Type Labeling Claims:

- *[Leaves No [Lingering] [Objectionable] [Insecticide] Odor*
- *Leaves No Objectionable Oily Or Sticky Residue*
- *For Control Of Fleas And Brown Dog Ticks*
- *For Use On Pets*
- *Can Be Used On Pets*
- *Kills And Repels [Biting] Flies*
- *Effective*
- *Works Fast*
- *Fast Acting*
- *Leaves No Oily Stains*
- *[Leaves] No Sticky Mess*

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- *Unscented*
- *Non-Aerosol*
- *Easy To Use Trigger Pump*
- *Convenient Trigger Pump*
- *No Aerosol Fumes*
- *Kills With Pyrethrin [Insecticide]*
- * *Pyrethrin [Insecticide] Is Made From Flowers*
- * *For Use On Plants And Shrubs*

BRACKETS "[]" DENOTE OPTIONAL COPY IN ADDITION TO ANY SUBSET OF THE DIRECTIONS FOR USE

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PYRENONE®

GENERAL PURPOSE AQUEOUS INSECTICIDE

- *[A Concentrated Pyrenone® Micro Emulsion*
- *Clear - Stable - Leaves No Oily Or Objectionable Residues*
- *Effective, Fast Acting Insecticide*
- *Kills And Repels Biting Flies*
- *For Use In Homes, Institutions, Restaurants, Food Processing Plants, Dairies, Livestock And Outdoors For Mosquito Control For Control Of Fleas And Brown Dog Ticks On Premises And On Pets*
- *Apply With Conventional Mechanical Or Compressed Air Equipment*
- *Multi-Purpose*
- *Multi-Bug Killer*
- *Kills Crawling & Flying Insects On Contact*
- *Contains Pyrethrin [Insecticide] Derived From Flowers*
- *Water Based*
- *Plant Spray Bug Killer*
- *House & Garden Insect Killer*
- *Flying & Crawling Insect Killer]*

ACTIVE INGREDIENTS

Pyrethrins	0.10%
Piperonyl Butoxide*	1.00%
OTHER INGREDIENTS	<u>98.90%</u>
	100.00%

*(butyl carbityl) (6-propylpiperonyl) ether and related compounds.

PRECAUCION AL CONSUMIDOR: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

EPA REG. NO. 73049-254

EPA EST. NO.

KEEP OUT OF REACH OF CHILDREN CAUTION

See Side/Back Panel For Additional Precautions

FIRST AID	
If In Eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-315-9819 for emergency medical treatment information.	

NET CONTENTS:
LOT NUMBER:

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**READ ENTIRE LABEL BEFORE EACH USE .
PET USE APPLIES TO USE ONLY ON DOGS AND CATS**

**PRECAUTIONARY STATEMENTS
Hazards To Humans & Domestic Animals**

CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators and other handlers, must wear the following:

- Long-sleeved shirt
- Long pants
- Shoes plus socks

In addition to the above PPE, applicators using hand-held foggers in an enclosed area must wear a half-face or full face or hood style NIOSH approved respirator with:

- a dust/mist filtering cartridge with (MSHA/NIOSH approval number prefix TC-21C), or
- a cartridge or canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or
- a cartridge or canister with any N, R, P, or HE filter.

User Safety Requirements:

- Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.
- Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.}

User Safety Recommendations:

- User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- User should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thorough and change into clean clothing.

[Products used exclusively indoors may omit the Environmental Hazards Statement.]

[Environmental Hazards

This product is toxic to aquatic organisms, including fish and invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through runoff. This product has a potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product.

This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

[Containers equal or greater than 5 gallons:]

[Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.]

Physical and Chemical Hazards

Do not use this product on or around electrical equipment due to the possibility of shock hazard.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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Use Restrictions

- [Except when applying to [pets] [or to livestock],] do not allow adults, children, or pets to enter until vapors, mists and aerosols have dispersed, and the treated area has been thoroughly ventilated.
- [Except when applying to [pets] [or to livestock],] do not allow adults, children, or pets to enter the treated area until sprays have dried.
- [Except when applying to [pets] [or to livestock],] do not apply this product in a way that will contact [workers or] other persons, either directly or through drift. Only protected handlers may be in the area during applications.
- Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mist have dispersed.
- Remove or cover exposed food and drinking water before application.
- Remove or cover dishes, utensils, food processing equipment and food preparation surfaces and wash them before use.
- Remove pets, birds and cover any water inhabited by fish (such as aquariums and ornamental fish ponds) before space spray application. Turn off aquarium filtering systems before spraying and wait approximately 15 minutes after application before turning the filter back on.
- Do not wet plants to point of runoff or drip.
- Do not apply directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.
- Do not wet articles to point of runoff or drip. Do not treat article until spray has dried.
- Dry clean clothes before wearing.
- Do not use on surfaces that can be harmed or stained by water.
- Not for use in outdoor residential misting systems.
- Do not use in aircraft cabins.
- *[Alternate text – outdoor application:*
 - All outdoor applications must be limited to spot or crack-and-crevice treatments only except for the following permitted uses:
 - 4) Treatment to soil or vegetation around structures
 - 5) Applications to lawns, turf, and other vegetation
 - 6) Application to building foundations, up to a maximum height of 3 feet.
 - Other than application to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors and eaves) are limited to spot and crack-and-crevice applications, only.
 - Do not water the treated area to the point of run-off.
 - Do not make applications during rain.]
- *[Alternate text - For pet care:* Do not apply to pets less than 12 weeks old. Consult a veterinarian before apply this product on medicated, debilitated, aged, pregnant or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.
- *[Alternate text:* When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.]
- *[Alternate Text When Used in Food handling or food processing facilities:* Do not make space spray applications when facility is in operation. Prior to space spray applications, cover or remove food. Prior to space spray applications, cover food processing surfaces or clean after treatment and before use.

SHAKE WELL BEFORE USE

INDOOR APPLICATION:

For maximum effectiveness, a combination of spot, surface treatment and fogging is recommended.

CONTACT SPRAY: To kill ants (including carpenter, fire, harvester & pharaoh ants), centipedes, cockroaches (including American, German & Oriental cockroaches), fleas, spiders (including brown recluse, black widow & hobo spiders), ticks, (including deer, brown dog and American dog ticks), chiggers, , black flies, deer flies, horse flies, house flies, mosquitoes, gnats, biting midges, wasps and yellow jackets: Spray where insects congregate and individual pests when seen. Spray [1-2 pumps of trigger] [1-3 grams] contacting insects directly. Insects contacted by spray will be killed.

SURFACE SPRAYING: To kill *Cockroaches, Palmetto Bugs, Ants, Silverfish, Spiders, Crickets, Clovermites, Cheese Mites, Earwigs, Sowbugs, Box Elder Bugs, Centipedes, Granary Weevils, Rice Weevils, Confused Flour Beetles, Rust*

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Red Flour Beetles, Saw-Toothed Grain Beetles, Spider Beetles, Cigarette Beetles, Drugstore Beetles, Meal Worms, Grain Mites and Cadelles: Use a good sprayer adjusted to a coarse wet spray. Direct the spray into hiding places, cracks and crevices, under pallets, around containers of stored foods, around the base of machinery, behind shelves and drawers, behind and beneath sinks, stoves, refrigerators and cabinets, along baseboards, around door and window frames, into dark corners and in and around garbage compactors, garbage chutes and cans. For *Silverfish*, spray bookcases.

For *Ants*, spray trails, nests and points of entry. If surface application only is to be used, spray floors and other surfaces applying at a rate of 1 gallon to 750 square feet of surface.

In case of infested foods in cabinets, dispose of the infested material. Remove all contents and clean thoroughly. Spray interior surfaces of empty cabinets thoroughly. After spray has dried, cover shelves with paper or otherwise protect foods from direct contact with sprayed surfaces.

TO KILL *Carpet Beetles*: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving. To avoid the possibility of staining, test in an inconspicuous area and allow to dry prior to treatment.

TO KILL *Bedbugs*: Remove linens prior to treatment. Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floors. Place clean linens on bed after allowing mattress to dry.

PET AREAS: To kill *Fleas* and *Brown Dog Ticks* on premises: Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames, and entire areas of floor and floor covering. Place fresh bedding in animal quarters following treatment. Concurrent treatment of animals is recommended.

TO KILL *Clothes Moths*: Remove any infested articles from storage, brush thoroughly and air for several hours in sunlight, if possible. Apply spray liberally to empty chests, closets, bureaus and other storages directing the spray into cracks, joints and crevices. After airing, infested articles may be treated lightly keeping nozzle at least three feet from fabric to avoid staining. Test delicate fabrics in an inconspicuous area prior to treatment.

SPACE SPRAYING: Close doors, windows and transoms and shut off ventilating systems. Apply with a good machine adjusted to deliver a fine mist or fog. For rapid kill of *Houseflies, Fruit Flies, Gnats, Mosquitoes, Skipper Flies, Wasps, Hornets, Angoumois Grain Moths, Mediterranean Flour Moths, Indianmeal Moths* and *Tobacco Moths*, direct spray at an upward angle distributing it uniformly throughout the entire area at a rate of 3-6 ounces per 1000 cubic feet of space. If insects have not dropped to floor in 3 minutes, repeat spraying as quantity sprayed was insufficient. To aid in the prevention of breeding, spray on standing water and in garbage pails.

FOGGING: To kill exposed or accessible stages of the above named crawling insects, use a rate of 1 gallon to 20,000 to 40,000 cubic feet of space. Contact insects directly whenever possible.

ON LIVESTOCK: To protect cattle, horses and hogs from *Horn Flies, Houseflies, Mosquitoes* and *Gnats* apply a light mist sufficient to wet the surface of the hair.

TO KILL *Stable Flies, Horse Flies* and *Deer Flies*, apply at a rate of 2 ounces per adult animal sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

TO KILL *Blood-Sucking Lice*, apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 2 to 3 weeks if required.

TO KILL *Poultry Lice*, spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

TO KILL *Bedbugs* and *Mites* in poultry houses, spray crevices of roost poles, cracks in walls, and cracks in nests where the bedbugs and mites hide.

FOR DIRECT APPLICATION TO DOGS AND CATS (OVER 12 WEEKS OF AGE):

TO KILL *Fleas, Ticks*, and *Lice*:

Hold the container upright. Spray at a distance of 8-12 inches. Starting at the tail, spray over entire hair coat while moving the dispenser rapidly; making sure the coat is thoroughly wetted to the skin. While spraying, fluff the hair so the spray will penetrate to the skin. Make sure spray wets ticks thoroughly. Spray against the lay of the hair, roughing the hair on long-haired dogs. Do not spray into the eyes, face or genitalia. For best results in killing ticks, spray directly on the tick. Allow animal to air dry or blow dry. Do not towel dry. Repeat application every week, if necessary.

OUTDOORS: (Camping, fishing, hunting and other outdoor activity areas) - Spray outer clothing and surroundings. Repels *Biting Flies, Mosquitoes, Midges* and *Gnats*. If sprayed every hour or so, will aid in keeping surroundings free

from *Mosquitoes*. If in rare cases skin irritation results, avoid continued contact. Do not pour or squirt - use a good sprayer which will throw a heavy fine mist.

TO KILL-

CRAWLING INSECTS: *Cockroaches, Silverfish, Sowbugs, Ants, Crickets, Earwigs, Grain Mites, Clovermites, Spiders, Box Elder Bugs, Centipedes*. Turn sprayer nozzle to stream position and spray directly into cracks, crevices and other hiding places along baseboards, hitting as many bugs as possible. Keep about three feet away from walls, fabrics and furniture.

FLYING INSECTS: *Flies, Houseflies, Mosquitoes, Gnats, Mediterranean Flour Moths, Small Flying Moths*. Turn sprayer nozzle to spray position. Keep about three feet away from walls, fabrics and furniture.

Wasps & Hornets: Turn sprayer nozzle to stream position. Spray directly on insects whenever possible. Apply a wet spray after dark when all insects have returned to their nests.

CONTACT SPRAY: To kill ants (including carpenter, fire, harvester & pharaoh ants), centipedes, cockroaches (including American, German & Oriental cockroaches), fleas, spiders (including brown recluse, black widow & hobo spiders), ticks, (including deer, brown dog and American dog ticks), chiggers, black flies, deer flies, horse flies, house flies, mosquitoes, gnats, biting midges, wasps and yellow jackets: Spray where insects congregate and individual pests when seen. Spray 1-2 pumps of trigger contacting insects directly. Insects contacted by spray will be killed.

GARDEN INSECTS ON HOUSE PLANTS AND ORNAMENTAL PLANTS OUTDOORS: Turn sprayer nozzle to spray position. Direct spray so that upper and lower leaf surfaces are contacted. To control *Aphids, Bagworms, Thrips, Flea Beetles, Japanese Beetles, Lace Bugs, Leaf Hoppers, Leafhoppers, Mimosas, Mimosa Webworm Larvae, Plant Bugs* and *Whiteflies* use fine mist spray about 18 to 24 inches from infested plants. Use caution on new growth and tender foliage. Avoid spraying plants when temperature exceeds 85°F. Spray when air is still. Avoid heavy wetting.

FOR DIRECT APPLICATION TO DOGS AND CATS (OVER 12 WEEKS OF AGE):

TO KILL *Fleas, Ticks, and Lice*:

Hold the container upright. Spray at a distance of 8-12 inches. Starting at the tail, spray over entire hair coat while moving the dispenser rapidly; making sure the coat is thoroughly wetted to the skin. While spraying, fluff the hair so the spray will penetrate to the skin. Make sure spray wets ticks thoroughly. Spray against the lay of the hair, roughing the hair on long-haired dogs. Do not spray into the eyes, face or genitalia. For best results in killing ticks, spray directly on the tick. Allow animal to air dry or blow dry. Do not towel dry. Repeat application every week, if necessary.

PET AREAS: To kill *Fleas* and *Brown Dog Ticks* on premises: Turn sprayer nozzle to spray position. Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames, and entire areas of floor and floor covering. Place fresh bedding in animal quarters following treatment. Concurrent treatment of animals is recommended.

STORAGE AND DISPOSAL

CONTAINERS LARGER THAN ONE GALLON:

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage and Spill Procedures: Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste. Protect from freezing.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Non-refillable container. Do not reuse or refill this container. Offer for recycling if available.

CONTAINERS ONE GALLON OR LESS:

Pesticide Storage: Store in original container in a cool dry place inaccessible to children and pets. Protect from freezing.

Container Disposal: Non-refillable container. Do not reuse or refill this container. *If empty:* Do not reuse this container. Place in trash or offer for recycling if available. *If partly filled:* Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully.

However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use

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Libertyville, IL 60048

Alternate Front Panel Claims:

- *[Leaves No [Lingering] [Objectionable] [Insecticide] Odor*
- *Leaves No Objectionable Oily Or Sticky Residue*
- *For Control Of Fleas And Brown Dog Ticks*
- *For Use On Pets*
- *Can Be Used On Pets*
- *Kills And Repels [Biting] Flies*
- *Effective*
- *Works Fast*
- *Fast Acting*
- *Leaves No Oily Stains*
- *[Leaves] No Sticky Mess*
- *Unscented*
- *Non-Aerosol*
- *Easy To Use Trigger Pump*
- *Convenient Trigger Pump*
- *No Aerosol Fumes*
- *Kills With Pyrethrin [Insecticide]*
- * *Pyrethrin [Insecticide] Is Made From Flowers*
- * *For Use On Plants And Shrubs]*

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